

**1996 International Workshop on Human Factors in Offshore Operations
Addressing Design, Construction, Drilling, Workovers, Production and
Organizational Issues
December 16-18, 1996
New Orleans, Louisiana**

Organized by:

The University of California, Berkeley
Prima Tech

Primary Sponsors (as of July 31, 1996):

U.S. Minerals Management Service

U.S. Department of Energy
Health & Safety Executive (UK)
American Bureau of Shipping
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Overview

It is generally believed that as many as 90 percent of offshore accidents and injuries can be attributed to human error. Human factors—the human-machine interface in particular—greatly influence the safety and reliability of offshore facilities and operations. One of the most effective methods of reducing the risk of accidents and improving quality and reliability is through human factors engineering.

Human and Organizational Factors (HOF) have been successfully applied in various industries to reduce accidents caused by human error. Those same HOF standards and methodologies can also be used to reduce offshore accidents. Improvement of standards, regulations and programs to educate the offshore community in the numerous recent advancements in HOF engineering and application, both on and offshore, cannot be overemphasized. Engineers, managers and operators need a better awareness and understanding of HOF in the design, construction and operation of facilities before full utilization and benefits can be achieved. In addition, further efforts in research and development are needed to provide for missing HOF elements specific to offshore operations.

This workshop is designed to provide guidance and promote collaboration on the use of HOF in the management of safety and environmental hazards for offshore operations and facilities. Experts will review progress in HOF application, identify current problems associated in introducing HOF in design and the workplace, and prioritize important research and development topics in the field of HOF and behavioral safety.

Objectives

This cooperative workshop is designed to achieve the following objectives:

1. Define the status of best industry practice of HOF in the management of safety and environmental hazards for offshore operations and facilities.
2. Identify the issues that influence the full utilization of HOF in offshore facilities design, engineering, construction, fabrication, installation, operations and maintenance.
3. Provide an international forum, attracting participants from all aspects of HOF (i.e., corporate leadership, offshore facilities designers, human factors and safety engineers, practitioners, certification body representatives and regulatory leaders).
4. Produce a hard bound record of the proceedings, thoroughly describing both the current practice and science of HOF and the opportunities for using HOF and behavioral safety in the management of safety and environmental hazards for offshore operations and facilities.
5. Promote the use of HOF in offshore facilities design, engineering, construction, fabrication, installation, operations and maintenance.

Working Group Topics

- A. “Reduction of Human Error Through the Application of Human and Organizational Factors in Design and Engineering”
- B. “The Role of Human and Organizational Factors in the Construction, Fabrication and Installation of Offshore Facilities”
- C. “Improving Offshore Drilling, Workovers, Production Operations and Maintenance Through Practical Application of Human and Organizational Factors”
- D. “Application and Integration of Human and Organizational Factors into Management Policies, Procedures and Practices to Reduce Human Error and Improve Safety and Productivity”
- E. “Further Development of Standards, Specifications and Guidelines Related to Human and Organizational Factors to Reduce Human Error in Offshore Facilities and Operations”
- F. “Implementation and Application of Human and Organizational Factors in Safety Management”

Workshop Program

December 16, 1996

- 7:30 a.m. Registration
- 8:00 Welcoming Address
 Mr. Chris C. Oynes - Regional Director, Gulf of Mexico OCS Region, U.S.
 Minerals Management Service
- 8:30 Keynote Address Presentations
 Mr. Hank Bartholomew - Deputy Associate Director, Operations & Safety
 Management, U.S. Minerals Management Service

 Captain Edward Soliday - Vice President, Safety & Security, United
 Airlines
- 10:00 Break
- 10:30 Theme Paper Presentations
- 10:30 Dr. G. Anthony Blackmore - Health and Safety Executive (U.K.), "Safety
 Management Systems within Offshore Oil and Gas Companies - Experience
 from Assessment and Auditing of UK North Sea Operations."
- 11:00 Mr. Dan Godfrey - Shell Offshore Inc., "Six Years of Experience
 Incorporating Human Factors Engineering into Offshore Facilities Design."
- 11:30 Professor Barry Kirwan - University of Birmingham, "Human Factors in
 Offshore Operations: Issues, Tools, Data and Frameworks."
- 12:00 p.m. Working Group Overview Presentations and Program Instructions
- 12:30 Lunch
- 1:30 Work Group Breakout Sessions, Human and Organizational Factors in:
 Group A - Design
 Group B - Fabrication & Installation
 Group C - Field Operations
 Group D - Management Systems
 Group E - Standards & Regulations
 Group F - Science & Application
- 7:00 Evening Gala Event

December 17, 1996

8:00 a.m. Opening Remarks

8:30 Keynote Address Presentations

Rear Admiral James C. Card - Commandant, U.S. Coast Guard, Chief
Marine Safety, Environmental Protection

9:15 Mr. Frank J. Iarossi - Chairman, American Bureau of Shipping

10:00 Break

10:30 Working Groups Breakout Sessions A-F

12:00 Lunch

1:00 Working Groups Reconvene

6:00 Cocktail Reception

December 18, 1996

8:00 a.m.	Opening Remarks
8:30	Keynote Address Presentations Mr. Norman Szydlowsky - General Manager, Health, Environment and Safety, Chevron Corporation
9:15	Dr. Martin Pantony - Director of Technology, Health and Safety Executive, Offshore Safety Division
10:00	Break
10:30	Work Group Summary Reports
12:00 p.m.	Workshop Conclusion

Workshop Location and Accommodations

The workshop will be held at the Doubletree Hotel and Conference Center in downtown New Orleans, Louisiana, December 16-18, 1996. The site is about 35 minutes from New Orleans International Airport, which is served by most major domestic and international airlines. Airport limousines and taxis for the downtown hotel area leave opposite the baggage claim area. Weather in early December is usually pleasantly mild, averaging 60°F (15°C) in the day time.

Special conference rates of \$79 per night, plus applicable taxes, have been reserved at the Doubletree Hotel for either a single or a double occupancy room. Some rooms are available at the federal government rate of \$66 per night. To make reservations at these rates, call before November 30, 1996, and specify that you are attending the Human Factors in Offshore Operations Workshop.

You can guarantee a room with your credit card by contacting the Doubletree Hotel at (504) 581-1300. Their address is 300 Canal Street, New Orleans, Louisiana 70130. Their fax number is (504) 522-4100.

Fees and Registration

To register, please complete and mail the attached registration form. The registration fee is \$200 (US) if postmarked by November 30, 1996, and \$250 after that date and including on-site registration. This fee includes admission to the technical sessions, lunch each day, coffee breaks, and a copy of the workshop proceedings.

Checks should be made out to "Director of Finance, Primatech, Inc.," and mailed to:

Primatech, Inc.
445 Hutchinson Avenue, Suite 200
Columbus, OH 43235

Sponsoring and Further Information

To add your company to the growing list of workshop sponsors, or for further information concerning the workshop content, please call Mr. Rodger D. Holdsworth, Primatech, Inc., at 504-362-0099 (Fax: 504-362-9099) or Ms. Cynthia Hawthorne at 614-841-9800 (Fax: 614-841-9805).

Registration Form
1996 International Workshop on Human Factors in Offshore Operations

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